BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

4

Name of work: Improvements to UAS Apartment Road in ward No. 09, Viadyarnayapura Sub Division.

			Estimate Cost Rs.					950000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. No. 126/ Item No. 19.2/ PWD SR 2010-11.	cum							
	Berm Cutting Either Side of Road								
	UAS Apartment Road		2	204.00	0.75	0.20	61.20		
			2	50.00	0.75	0.30	22.50		
			2	20.00	0.60	0.30	7.20		
			2	25.00	0.60	0.25	7.50		
			2	15.00	0.60	0.20	3.60		
			2	65.00	0.60	0.30	23.40		
			2	30.00	0.60	0.20	7.20		
	Drain Deslitation		2	204.00	0.45	0.35	64.26		
			2	50.00	0.45	0.35	15.75		
			2	20.00	0.45	0.30	5.40		
			2	25.00	0.45	0.30	6.75		
			2	15.00	0.45	0.30	4.05		
			2	65.00	0.45	0.30	17.55		
			2	30.00	0.45	0.30	8.10		
							254.46	77.76	**19787.00**
	Basic Rate	72.00							
	Area Weightage @ 8%	5.76							
	Total	**77.76**							
2	Removing B.S Slab of Drain and stacking **Page No. 24/ Item No. 5.32/ PWD SR 2010-11**	Sqm							
			2	130.00		1.65	429.00		
			2	50.00		1.65	165.00		
			2	35.00		1.65	115.50		
			2	48.00		1.65	158.40		
							867.90	42.77	**37118.00**
	Basic Rate	39.60							
	Area Weightage @ 8%	3.17							
	Total	**42.77**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 24/ Item No. 5.33/ PWD SR 2010-11**	Sqm						52.16	
			Qty Vide Item No. 2				**867.90**	~~57.00~~	~~**49472.00**~~
	Basic Rate	47.50							
	Add Differnce in Cost of Cement 0.132 x 40.00 =	5.28	0.80						45269=2
	0.02	52.78	48.30						
	Area Weightage @ 8%	4.22	3.86						
	Total	**57.00**	52.16						

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRRB M400 - 17 : Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Material (Table 400-11) Clause: 406 PWD SR 2010-11 (P.143/I.20.18)	Cum							
	UAS Apartment		1	204.00	5.00	0.15	153.00		
			1	50.00	4.70	0.15	35.25		
			1	20.00	4.70	0.15	14.10		
			1	25.00	4.70	0.15	17.63		
			1	15.00	4.70	0.15	10.58		
			1	65.00	4.70	0.15	45.83		
			1	30.00	4.70	0.15	21.15		
							297.53	1061.64	**315864.00**
	Basic Rate	983.00							
	Area Weightage @ 8%	78.64							
	Total	**1061.64**							
5	KSRRB 500-4: providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5, **No. 148/ Item No. 21.4/ PWD SR 2010-11**	Sqm							
	Sapthagiri Layout		1	204.00	5.00		1020.00		
			1	50.00	4.70		235.00		
			1	20.00	4.70		94.00		
			1	25.00	4.70		117.50		
			1	15.00	4.70		70.50		
			1	65.00	4.70		305.50		
			1	30.00	4.70		141.00		
							1983.50	74.28	**147339.00**
	Basic Rate	68.78						24.82	
	Area Weightage @ 8%	5.50							
	Total	**74.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No 151/ Item No. 21.20.1/ PWD SR 2010-11**	Cum							
			1	204.00	5.00	0.025	25.50		
			1	50.00	4.70	0.025	5.88		
			1	20.00	4.70	0.025	2.35		
			1	25.00	4.70	0.025	2.94		
			1	15.00	4.70	0.025	1.76		
			1	65.00	4.70	0.025	7.64		
			1	30.00	4.70	0.025	3.53		
							49.59	7213.57	**357703.00**
	Basic Rate	6679.23							
	Area Weightage @ 8%	534.34							
	Total	**7213.57**							
7	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**254.46**		
	Average Weight of Earth 1.28 Ton/Cum	Mtone					**325.71**	67.32	**21927.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	**67.32**							
8	Miscesallaneous Charges	L/S							**790.00**
								Total	**950000.00**

(Rupees Nine Lakhs Fifty Thousand Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2010-11.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranayapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 9.50 lakhs
Rupees Nine lakhs Fifty
thousand only
under P-1771 Pokl Zonal Works
registered as EE No: ...../18/7/11 Subject
to conditions contained enclosed memo.
No: ...../2011-12 Dr. 18/7/11

AE/JE

EE (BTP. Div.)

Administrative approval for Rs. 9.50 lakhs
Rupees Nine lakh Fifty thousand
only
is accorded under head P-1771 Pokl
Zonal Works
registered as EE No. ...../18/7/11 Subject
to conditions contained enclosed memo.
No: ...../ Dr. 18/7/11

AE/JE

EE (BTP. Div.)